

CERTIFICATE OF ANALYSIS

Product Name	L-pyroglutamic acid		
CAS	98-79-3		
Batch Number	20241112	Manufacture Date	20241112
Report Date	20241112	Expiry Date	20261111

Item of Analysis	Specification	Results
Appearance	White crystalline or crystalline white powder	Conforms
Specific rotation	-10.5° ~ -12.0°	-11.25°
Chloride(Cl)	≤0.02%	<0.02%
Ammonium(NH ₄ ⁺)	≤0.02%	<0.02%
Sulphate(SO ₄ ²⁻)	≤0.02%	<0.02%
Iron(Fe)	≤10ppm	<10ppm
Residue on ignition	≤0.10%	0.07%
Heavy metal(Pb)	≤10ppm	<10ppm
Arsenic	≤1ppm	<1ppm
Loss on drying	≤0.5%	0.35%
Assay	98.5~101.5%	99.5%
Melting point	158~161°C	159-161°C
Transmittance	≥96%	98%

Conclusion: The results meet the AJI standard.

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

